

Title (en)  
A MACHINE CONTROLLER FOR CONTROLLING OPERATION OF A MACHINE OF A SPINNING MILL, AS WELL AS AN ELECTRONIC DEVICE AND A METHOD FOR UPDATING SUCH MACHINE CONTROLLERS

Title (de)  
MASCHINENSTEUERGERÄT ZUR STEUERUNG DES BETRIEBS EINER MASCHINE EINER SPINNEREI SOWIE ELEKTRONISCHE VORRICHTUNG UND VERFAHREN ZUR AKTUALISIERUNG SOLCHER MASCHINENSTEUERGERÄTE

Title (fr)  
DISPOSITIF DE COMMANDE DE MACHINE POUR COMMANDER LE FONCTIONNEMENT D'UNE MACHINE À FILER, AINSI QU'UN DISPOSITIF ÉLECTRONIQUE ET PROCÉDÉ DE MISE À JOUR DE TELS DISPOSITIFS DE COMMANDE DE MACHINE

Publication  
**EP 4215652 A1 20230726 (EN)**

Application  
**EP 22153138 A 20220125**

Priority  
EP 22153138 A 20220125

Abstract (en)  
The disclosure relates to a machine controller (1) for controlling operation of a machine (51) of a spinning mill (5). The machine controller (1) comprises a storage (11) storing operating system code (111), container daemon code (112) and a plurality of container images (113), and a processor section (12). The processor section (12) is configured to provide a running operating system (121) based on the operating system code (111), and to provide a running container daemon (122) based on the container daemon code (112), and to provide running containers (123) based on the plurality of container images (113). The running operating system (121) includes access functions for accessing the machine (51) of the spinning mill (5). Each one of a set of the running containers (123) provides a service for controlling operation of the machine (51) of the spinning mill (5). The running container daemon (122) concurrently interfaces services of the set of the running containers (123) with access functions of the running operating system (121) for controlling operation of the machine (51) of the spinning mill (5) by the set of the running containers (123). The machine controller (1) further includes an update service (13) for updating container images (113) of the machine controller (1).

IPC 8 full level  
**D01G 21/00** (2006.01); **G05B 19/042** (2006.01); **G06F 8/65** (2018.01); **D01H 13/32** (2006.01); **G05B 19/418** (2006.01); **H04L 41/0893** (2022.01)

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Citation (applicant)  
DE 102007052677 A1 20090507 - OERLIKON TEXTILE GMBH & CO KG [DE]

Citation (search report)  
• [Y] US 2002095235 A1 20020718 - HOSEL FRITZ [DE]  
• [Y] CN 111880497 A 20201103 - CHANGZHOU COLLEGE INF TECH, et al  
• [Y] US 2020233403 A1 20200723 - GELBKE LARS [DE], et al  
• [Y] ANONYMOUS: "Introduction to docker", 28 October 2013 (2013-10-28), pages 1 - 7, XP055934510, Retrieved from the Internet <URL:https://www.slideshare.net/dotCloud/intro-docker-october-2013> [retrieved on 20220622]

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Designated validation state (EPC)  
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